

# **Health Profile Lander County, Nevada 2001**

*Bureau of Community Health  
August, 2002*

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# HEALTH PROFILE

## Lander County, NEVADA, 2001

### EXECUTIVE SUMMARY

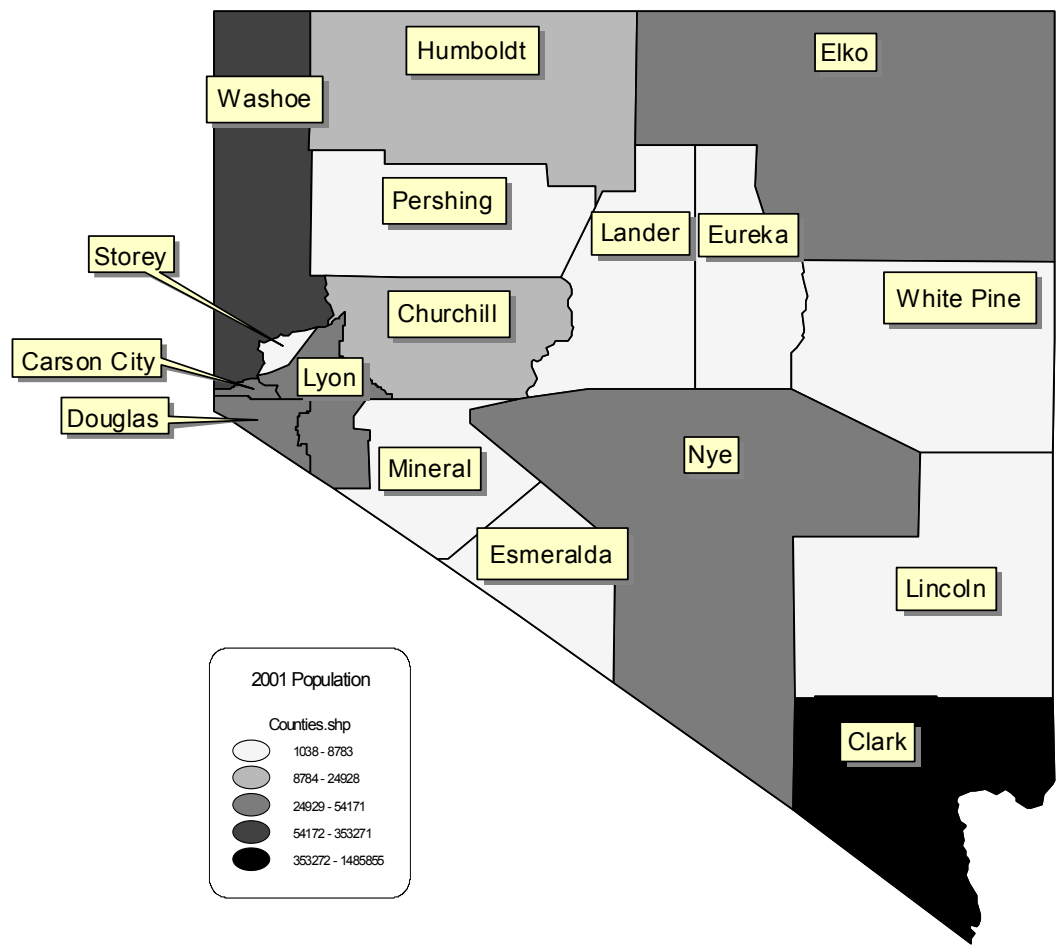
This report was prepared by the Bureau of Community Health (BCH), Nevada State Health Division. The purpose of the report is to provide information to policy makers, grant writers, medical providers, and administrators, and other parties interested in the health status of Lander County and the State of Nevada. The data is organized into sections by providing basic demographics, socioeconomic status, births, deaths, chronic diseases and risk factors, infectious diseases, injuries, preventive services for children and adults. For most health indicators, data for Lander County were compared to the statewide data and Healthy People (HP) 2010 targets.

Lander County had a -10% increases in population from 1991 to 2001. In 2001, the population of Lander County was 5,761 accounting for 0.3% of the total state population (2,132,498) of Nevada. Lander County has a higher percentage of non-white population, a higher median income and a higher unemployment rate compared to the State of Nevada.

The following table is a summary of the current health status of Lander County compared with HP 2010 targets. Details can be found later in the report under the respective sections.

| Health Indicators                         | HP 2010 Targets Met<br>★  | HP 2010 Not Met<br>▲  |
|---|---|---|
| BIRTHS                                    | 1. Pre-term Birth   | 1. Teen Mothers<br>2. Prenatal care in the 1st trimester  |
| DEATHS                                    | 1. Infant Mortality rate<br>2. Neonatal infant mortality rate<br>3. Post-neonatal mortality rate<br>4. Mortality rate due to cervical cancer<br>5. Mortality rate due to COPD<br>6. Mortality rate due to Diabetes Mellitus   | 1. Mortality rate due to all cancers<br>Mortality rate due to trachea, bronchus, & lung cancer<br>2. Mortality rate due to breast cancer<br>3. Mortality rate due to colorectal cancer<br>4. Mortality rate due to prostate cancer<br>5. Mortality rate due to stroke<br>6. |
| CHRONIC DISEASES<br>MAJOR RISK<br>FACTORS |   | 1. Cigarette smoking rate<br>2. Physical inactivity rate<br>3. % of people trying to lose weight<br>4. High blood pressure rate<br>5. Cholesterol checking rate   |
| INFECTIOUS<br>DISEASES                    | 1. AIDS<br>2. Gonorrhea<br>3. Syphilis (primary & secondary)<br>4. Hepatitis A<br>5. Hepatitis B<br>6. Hepatitis C<br>7. Mumps<br>8. Pertussis<br>9. Rubella<br>10. Meningitis (bacterial)<br>11. Meningococcal disease<br>12. Tuberculosis<br>13. Campylobacteriosis<br>14. E. coli 0157 Diarrhea<br>15. Salmonellosis |   |
| INJURIES                                  | 1. Homicide<br>2. Suicide   | 1. Motor Vehicle Injuries   |
| PREVENTIVE<br>SERVICES USE                | 1. Mammogram for women 40 years and older in the preceding 2 years<br>2. Pap smears for adult women   | 1. Immunization Coverage in 2-year old children<br>2. Pneumococcal pneumonia vaccination for adults<br>3. Influenza vaccination for adults in the past 12 months  |

NEVADA MAP





## HEALTH PROFILE DEMOGRAPHICS

### 2001 DEMOGRAPHICS

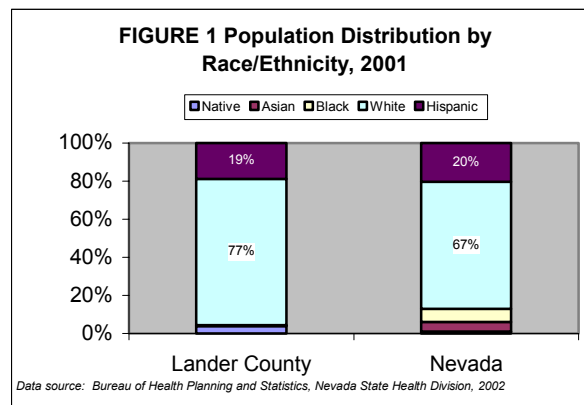
|  |               |           |
|--|---------------|-----------|
| Population in 2001:                          | Lander County | 5,761     |
|  | Nevada        | 2,132,498 |
| Percent of total Nevada population:          |               | 0.3%      |
| Population density (people per square mile): | Lander County | 1         |
|  | Nevada        | 18        |

Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002

**TABLE 1 Population by Gender, Age Group, and Race/Ethnicity, 2001**

|                |              | Lander County |                       | Nevada           |                       |
|----------------|--------------|---------------|-----------------------|------------------|-----------------------|
|                |              | Population    | % of Total Population | Population       | % of Total Population |
| GENDER         | Male         | 2,958         | 51%                   | 1,086,325        | 51%                   |
|                | Female       | 2,803         | 49%                   | 1,046,173        | 49%                   |
|                | <b>Total</b> | <b>5,761</b>  | <b>100%</b>           | <b>2,132,498</b> | <b>100%</b>           |
| AGE GROUP      | <1           | 84            | 1%                    | 31,028           | 1%                    |
|                | 1-17         | 1,769         | 31%                   | 515,040          | 24%                   |
|                | 18-64        | 3,508         | 61%                   | 1,352,890        | 63%                   |
|                | 65+          | 401           | 7%                    | 233,541          | 11%                   |
|                | <b>Total</b> | <b>5,762</b>  | <b>100%</b>           | <b>2,132,499</b> | <b>100%</b>           |
| RACE/ETHNICITY | Native       | 218           | 4%                    | 23,015           | 1%                    |
|                | Asian        | 22            | 0%                    | 106,104          | 5%                    |
|                | Black        | 10            | 0%                    | 145,888          | 7%                    |
|                | White        | 4,426         | 77%                   | 1,422,260        | 67%                   |
|                | Hispanic     | 1,085         | 19%                   | 435,232          | 20%                   |
|                | <b>Total</b> | <b>5,761</b>  | <b>100%</b>           | <b>2,132,499</b> | <b>100%</b>           |

Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002



- Lander County had a similar distribution by gender compared to the State of Nevada in 2001.
- Lander County had a higher percentage of population in the age group 1-17 (31%) compared to the State of Nevada (24%) in 2001.
- Lander County had a lower rate of non-white population (23%) compared with the State of Nevada (33%) in 2001.

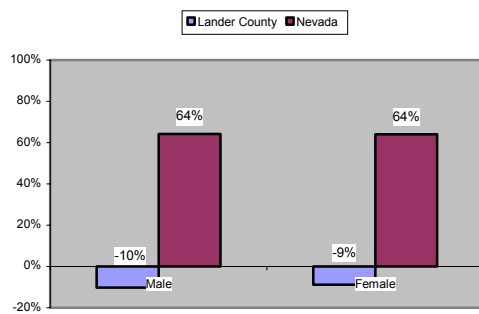
## 1991 - 2001 POPULATION CHANGE

**TABLE 2 Population Change from 1991 to 2001 by Gender, Age Group, and Race/Ethnicity**

|                |              | Lander County |              |             | Nevada           |                  |            |
|----------------|--------------|---------------|--------------|-------------|------------------|------------------|------------|
|                |              | 1991          | 2001         | % Increase  | 1991             | 2001             | % Increase |
| GENDER         | Male         | 3,293         | 2,958        | -10%        | 661,625          | 1,086,325        | 64%        |
|                | Female       | 3,077         | 2,803        | -9%         | 637,735          | 1,046,173        | 64%        |
|                | <b>Total</b> | <b>6,370</b>  | <b>5,761</b> | <b>-10%</b> | <b>1,299,360</b> | <b>2,132,498</b> | <b>64%</b> |
| AGE GROUP      | <1           | 128           | 84           | -34%        | 21,660           | 31,028           | 43%        |
|                | 1-17         | 2,045         | 1,769        | -13%        | 302,839          | 515,040          | 70%        |
|                | 18-64        | 3,829         | 3,508        | -8%         | 837,255          | 1,352,890        | 62%        |
|                | 65+          | 370           | 401          | 8%          | 137,606          | 233,541          | 70%        |
|                | <b>Total</b> | <b>6,371</b>  | <b>5,762</b> | <b>-10%</b> | <b>1,299,360</b> | <b>2,132,499</b> | <b>64%</b> |
| RACE/ETHNICITY | Native       | 251           | 218          | -13%        | 18,163           | 23,015           | 27%        |
|                | Asian        | 15            | 22           | 47%         | 42,818           | 106,104          | 148%       |
|                | Black        | 9             | 10           | 11%         | 84,032           | 145,888          | 74%        |
|                | White        | 5,256         | 4,426        | -16%        | 999,544          | 1,422,260        | 42%        |
|                | Hispanic     | 839           | 1,085        | 29%         | 154,803          | 435,232          | 181%       |
|                | <b>Total</b> | <b>6,370</b>  | <b>5,761</b> | <b>-10%</b> | <b>1,299,360</b> | <b>2,132,499</b> | <b>64%</b> |

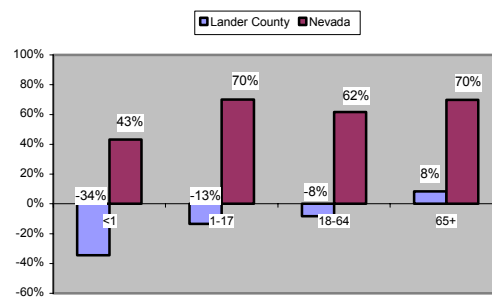
Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002

**FIGURE 2 Population Increase (%) from 1991 to 2001 by Gender**



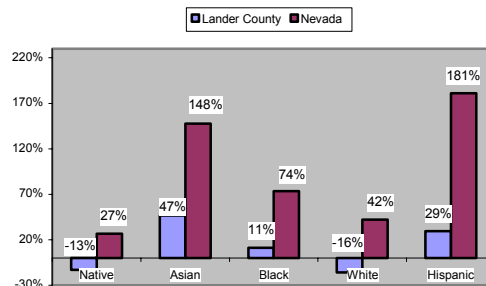
Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002

**FIGURE 3 Population Increase (%) from 1991 to 2001 by Age Group**



Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002

**FIGURE 4 Population Increase (%) from 1991 to 2001 by Race/Ethnicity**



Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002

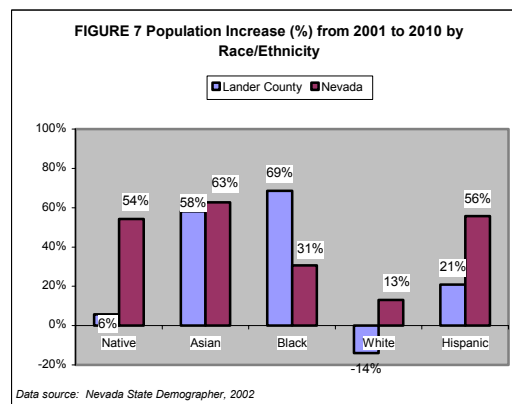
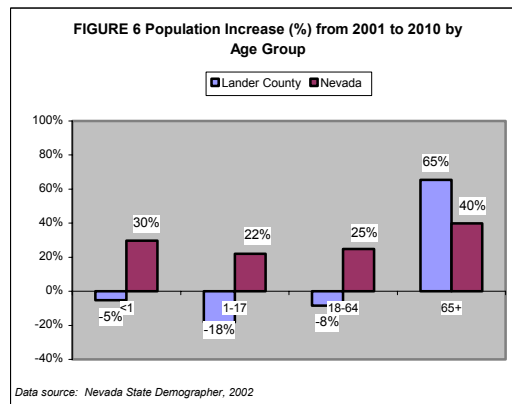
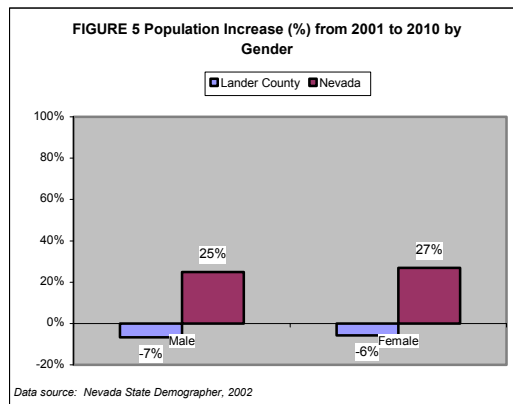
- From 1991-2001, Lander County had a decrease in population (-10%) compared to the increase for the State of Nevada (64%).
- The race/ethnic group with the greatest increase has been the Asian population (47%) with the Native American and White populations decreasing over this time.

### 2001 - 2010 POPULATION PROJECTIONS

**TABLE 3 Population Projected Change from 2001 to 2010 by Gender, Age Group, and Race/Ethnicity**

|                |              | Lander County |              |            | Nevada           |                  |            |
|----------------|--------------|---------------|--------------|------------|------------------|------------------|------------|
|                |              | 2001          | 2010         | % Increase | 2001             | 2010             | % Increase |
| GENDER         | Male         | 2,958         | 2,759        | -7%        | 1,086,325        | 1,356,489        | 25%        |
|                | Female       | 2,803         | 2,644        | -6%        | 1,046,173        | 1,328,363        | 27%        |
|                | <b>Total</b> | <b>5,761</b>  | <b>5,403</b> | <b>-6%</b> | <b>2,132,498</b> | <b>2,684,853</b> | <b>26%</b> |
| AGE GROUP      | <1           | 84            | 80           | -5%        | 31,028           | 40,232           | 30%        |
|                | 1-17         | 1,769         | 1,448        | -18%       | 515,040          | 628,131          | 22%        |
|                | 18-64        | 3,508         | 3,213        | -8%        | 1,352,890        | 1,689,759        | 25%        |
|                | 65+          | 401           | 663          | 65%        | 233,541          | 326,731          | 40%        |
|                | <b>Total</b> | <b>5,762</b>  | <b>5,403</b> | <b>-6%</b> | <b>2,132,499</b> | <b>2,684,853</b> | <b>26%</b> |
| RACE/ETHNICITY | Native       | 218           | 230          | 6%         | 23,015           | 35,517           | 54%        |
|                | Asian        | 22            | 35           | 58%        | 106,104          | 172,683          | 63%        |
|                | Black        | 10            | 17           | 69%        | 145,888          | 190,606          | 31%        |
|                | White        | 4,426         | 3,809        | -14%       | 1,422,260        | 1,608,666        | 13%        |
|                | Hispanic     | 1,085         | 1,312        | 21%        | 435,232          | 677,380          | 56%        |
|                | <b>Total</b> | <b>5,761</b>  | <b>5,403</b> | <b>-6%</b> | <b>2,132,499</b> | <b>2,684,853</b> | <b>26%</b> |

Data source: Nevada State Demographer, 2002



- Population projections for 2010 predict that the population in Lander County will decrease (-6%) while the State of Nevada will grow (26%).
- Population projections for 2010 predict that all non-white populations will increase and the number over 65 years of age will increase.

## **SOCIOECONOMIC STATUS**

**TABLE 4 Socioeconomic Status**

|                                    |   | Lander County | Nevada      |
|------------------------------------|---|---------------|-------------|
| Households (2000) <sup>1</sup>     | Total households (2000) <sup>3</sup>              | 2,093         | 751,165     |
|                                    | Family households (families) (%) <sup>4</sup>     | 73%           | 66%         |
|                                    | Nonfamily households (%) <sup>5</sup>             | 27%           | 34%         |
|                                    | Households with individuals under 18 years (%)    | 43%           | 35%         |
|                                    | Households with individuals 65 years and over (%) | 14%           | 21%         |
|                                    | Average household size <sup>6</sup>               | 2.73          | 2.62        |
| Income (2000)                      | Median household income                           | \$49,667.00   | \$39,280.00 |
|                                    | People of all ages in poverty (%) <sup>8</sup>    | 9%            | 11%         |
| Unemployment rate (%) <sup>2</sup> | 2001  | 9.6           | 5.3         |
|                                    | 2000  | 7.7           | 4.1         |
|                                    | 1999  | 9.4           | 4.4         |

Data source: <sup>1</sup> US Census Bureau, Census 2000<sup>2</sup> Nevada Department of Employment, 2002

## Note:

<sup>3</sup>A household includes all of the people who occupy a housing unit. People not living in households are classified as living in group quarters.<sup>4</sup>A family includes a householder and one or more people living in the same household who are related to the householder by birth, marriage, or adoption. All people in a household who are related to the householder are regarded as members of his or her family.<sup>5</sup>A householder living alone or with nonrelatives only.<sup>6</sup>A measure obtained by dividing the number of people in households by the total number of households (or householders).<sup>7</sup>Represents 90% confidence interval<sup>8</sup>Poverty can be determined based on the poverty thresholds (see technical notes for POVERTY)

- Lander County had a higher percentage of households (73%) compared to the State of Nevada (66%) in 2000 with a greater percentage of households with individuals under 18 years (43%) compared to the State of Nevada (35%) and a lower percentage of households with individual 65 years and over (14%) compared to the State of Nevada (21%).
- The median household income in Lander County was higher than in the State of Nevada in 2000.
- Lander County consistently had higher unemployment rates from 1999 to 2001 compared to the State of Nevada.

## BIRTHS

TABLE 5 Births, 1999-2001

|  | 1999             |        | 2000             |        | 2001             |        | Healthy People<br>2010 Targets |
|--|------------------|--------|------------------|--------|------------------|--------|--------------------------------|
|  | Lander<br>County | Nevada | Lander<br>County | Nevada | Lander<br>County | Nevada |                                |
| Total births                                   | 105              | 28,911 | 95               | 30,130 | 82               | 31,297 | No target                      |
| Births by race/ethnicity                       |                  |        |                  |        |                  |        |                                |
| Native   | <sup>6</sup> NA  | 380    | <sup>6</sup> NA  | 372    | <sup>6</sup> NA  | 399    | No target                      |
| Asian  | 0                | 1,586  | <sup>6</sup> NA  | 1,894  | <sup>6</sup> NA  | 2,031  | No target                      |
| Black  | <sup>6</sup> NA  | 2,077  | 0                | 2,255  | <sup>6</sup> NA  | 2,389  | No target                      |
| White  | 81               | 15,244 | 70               | 15,303 | 62               | 15,264 | No target                      |
| Hispanic                                       | 19               | 9,153  | 21               | 10,007 | 17               | 10,831 | No target                      |
| Other  | 0                | 471    | 0                | 299    | 0                | 383    | No target                      |
| LBW (%) <sup>1</sup>                           | 8.6%             | 7.6%   | 11.6%            | 7.2%   | <sup>6</sup> NA  | 7.6%   | 5.0%                           |
| VLBW (%) <sup>2</sup>                          | <sup>6</sup> NA  | 1.2%   | <sup>6</sup> NA  | 1.3%   | <sup>6</sup> NA  | 1.0%   | 0.9%                           |
| Preterm births (%) <sup>3</sup>                | 9.5%             | 10.2%  | 11.6%            | 9.8%   | 6.1%             | 10.0%  | 7.6% ★                         |
| Teen mothers (per 1,000) <sup>4</sup>          | 57.1             | 48.2   | <sup>6</sup> NA  | 44.3   | 85.4             | 40.8   | 43 ▲                           |
| Older mothers (%) <sup>5</sup>                 | <sup>6</sup> NA  | 2.2%   | <sup>6</sup> NA  | 2.1%   | 0.0%             | 2.3%   | No target                      |
| Unmarried mothers (%)                          | 28.6%            | 33.4%  | 27.4%            | 34.0%  | 23.2%            | 32.2%  | No target                      |
| Prenatal care in 1 <sup>st</sup> trimester (%) | 62.9%            | 68.7%  | 45.3%            | 70.6%  | 58.5%            | 72.4%  | 90.0% ▲                        |

Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002

Note:

<sup>1</sup>LBW: Low Birth Weight (<2,500 grams);<sup>2</sup>VLBW: Very Low Birth Weight (<1,500 grams);<sup>3</sup>Preterm births: Births are <37 weeks of gestation;<sup>4</sup>Teen mothers: Mother's age is younger than 18 years old;<sup>5</sup>Older mothers: Mother is older than 40;<sup>6</sup>NA indicates data that is unavailable due to cell size less than 5. See technical notes for data confidentiality.

★ Indicates "HP 2010 target was met" for 2001 for the county

▲ Indicates "HP 2010 target was not met" for 2001 for the county

- The total births for residents of Lander County in 2001 accounted for 0.3% of the total births in Nevada.
- The HP 2010 target for preterm births was met by Lander County in 2001.
- The HP 2010 targets for teen mothers per 1,000 live births and prenatal care in the first trimester were not met by Lander County in 2001.
- The HP 2010 target for LBW and VLBW was not evaluated since there were less than 5 cases reported in Lander County in 2001.

## DEATHS

**TABLE 6 Infant Death Rates per 1,000 Live Births, 1999-2001**

| Cause of Death                              | 1999            |        | 2000          |        | 2001          |        | Healthy People 2010 Targets |
|---|-----------------|--------|---------------|--------|---------------|--------|-----------------------------|
|   | Lander County   | Nevada | Lander County | Nevada | Lander County | Nevada |                             |
| Infant mortality rate <sup>1</sup>          | <sup>1</sup> NA | 6.6    | 0.0           | 6.5    | 0.0           | 5.7    | 4.5 ★                       |
| Neonatal infant mortality rate <sup>2</sup> | 9.5             | 3.9    | 0.0           | 4.0    | 0.0           | 2.9    | 2.9 ★                       |
| Post-neonatal mortality rate <sup>3</sup>   | 0.0             | 2.7    | 0.0           | 2.4    | 0.0           | 2.7    | 1.2 ★                       |

Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002

<sup>1</sup>Within the first year

<sup>2</sup>Within the first 28 days of life

<sup>3</sup>Between 28 days of life and 1 year

**TABLE 7 Age-adjusted Mortality Rates per 100,000 Population, 1999-2001**

| Cause of Death            | 1999            |        | 2000            |        | 2001          |        | Healthy People 2010 Targets |
|---------------------------|-----------------|--------|-----------------|--------|---------------|--------|-----------------------------|
|                           | Lander County   | Nevada | Lander County   | Nevada | Lander County | Nevada |                             |
| Diseases of the heart     | 184.9           | 267.8  | 300.1           | 246.3  | 303.7         | 257.4  | No target                   |
| All Cancers               | 100.1           | 200.9  | 252.9           | 204.5  | 381.0         | 203.5  | 159.9 ▲                     |
| Trachea, Bronchus, & Lung | <sup>1</sup> NA | 62.5   | 141.0           | 62.8   | 165.4         | 63.0   | 44.9 ▲                      |
| Breast                    | <sup>1</sup> NA | 25.9   | <sup>1</sup> NA | 25.8   | 66.6          | 24.8   | 22.3 ▲                      |
| Cervical                  | 0.0             | 2.4    | 0.0             | 3.4    | 0.0           | 2.9    | 2.0 ★                       |
| Colorectal                | 0.0             | 21.7   | 0.0             | 23.6   | 15.5          | 22.0   | 13.9 ▲                      |
| Prostate                  | 0.0             | 28.8   | 0.0             | 25.1   | 95.9          | 30.1   | 28.8 ▲                      |
| CLRD*                     | <sup>1</sup> NA | 63.7   | 0.0             | 59.1   | 0.0           | 0.0    | 60.0 ★                      |
| Stroke                    | <sup>1</sup> NA | 57.2   | <sup>1</sup> NA | 54.0   | 118.8         | 55.3   | 48.0 ▲                      |
| Diabetes Mellitus         | <sup>1</sup> NA | 16.9   | 0.0             | 14.5   | 0.0           | 17.3   | 45.0 ★                      |
| Influenza and Pneumonia   | 0.0             | 22.1   | <sup>1</sup> NA | 21.2   | 0.0           | 22.4   | No target                   |
| All Deaths                | 684.1           | 914.1  | 1,034.0         | 881.3  | 1,148.7       | 923.4  | No target                   |

Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002

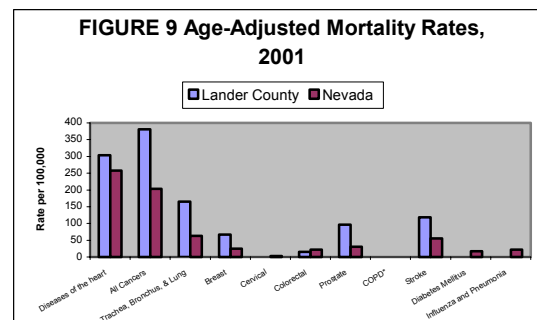
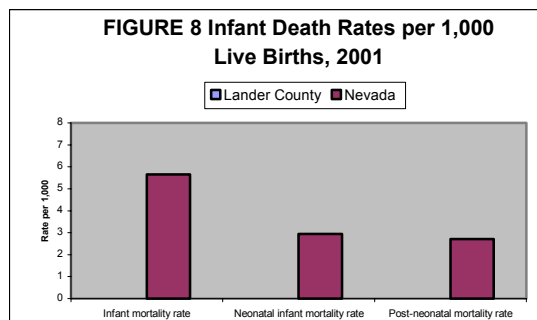
Age adjusted to the year 2000 standard population for all rates and 2010 targets

<sup>1</sup>NA indicates data that is unavailable due to cell size less than 5. See technical notes for data confidentiality.

★ Indicates "HP 2010 target was met" for 2001 for the county

▲ Indicates "HP 2010 target was not met" for 2001 for the county

\* CLRD: Chronic Lower Respiratory Disease



- The HP 2010 objectives for age-adjusted mortality rates for all cancers, trachea, bronchus, and lung cancer, breast cancer, colorectal cancer, prostate cancer, and stroke were not met by Lander County or the State of Nevada in 2001.
- The HP 2010 objectives for age-adjusted mortality for infant mortality, neonatal infant mortality, post-neonatal mortality, and cervical cancer were met in Lander County but not the State of Nevada in 2001.
- In 2001, the HP 2010 objectives for age-adjusted mortality for chronic lower respiratory disease and diabetes mellitus were met in Lander County and the State of Nevada.

TABLE 8 Top Ten Causes of Death by Age Group for the Two-Year Period (1999-2000)

|                            | Ranking          | Age Group                              |  |   |   |                                  |  |
|----------------------------|------------------|--|--|---|---|----------------------------------|--|
|                            |                  | < 1                                    | 1-14   | 15-24   | 25-44   | 45-64                            | > 65   |
| LANDER COUNTY<br>RESIDENTS | Total Deaths     | NA <sup>1</sup>                        | 0  | NA <sup>1</sup>                               | 7   | 21                               | 38   |
|                            | 1 <sup>st</sup>  | Others <sup>2</sup>                    |  | Unintentional Injuries                        | Unintentional Injuries  | Cancer                           | Heart Disease  |
|                            | 2 <sup>nd</sup>  |  |  | Suicide, Others <sup>2</sup>                  | Liver Disease <sup>4</sup> ,<br>Heart Disease,<br>Cancer, Suicide,<br>Others <sup>2</sup> | Heart Disease                    | Cancer   |
|                            | 3 <sup>rd</sup>  |  |  |   |   | Suicide, Others <sup>2</sup>     | Others <sup>2</sup>  |
|                            | 4 <sup>th</sup>  |  |  |   | Stroke, Respiratory Disease <sup>3</sup> ,<br>Unintentional Injuries                      |                                  | Unintentional Injuries   |
|                            | 5 <sup>th</sup>  |  |  |   |   |                                  | Atherosclerosis,<br>Stroke, Respiratory Disease <sup>3</sup>                   |
|                            | 6 <sup>th</sup>  |  |  |   |   |                                  | Diabetes, Influenza and Pneumonia,<br>Kidney Disease <sup>5</sup> ,<br>Suicide |
|                            | 7 <sup>th</sup>  |  |  |   |   |                                  |  |
|                            | 8 <sup>th</sup>  |  |  |   |   |                                  |  |
|                            | 9 <sup>th</sup>  |  |  |   |   |                                  |  |
|                            | 10 <sup>th</sup> |  |  |   |   |                                  |  |
| NEVADA<br>RESIDENTS        | Total Deaths     | 386                                    | 180  | 406   | 2,081   | 6,562                            | 20,083   |
|                            | 1 <sup>st</sup>  | Others <sup>2</sup>                    | Unintentional Injuries   | Unintentional Injuries                        | Unintentional Injuries  | Cancer                           | Heart Disease  |
|                            | 2 <sup>nd</sup>  | Unintentional Injuries                 | Others <sup>2</sup>  | Homicide, Suicide                             | Others <sup>2</sup>   | Heart Disease                    | Cancer   |
|                            | 3 <sup>rd</sup>  | Heart Disease                          | Heart Disease,<br>Homicide, Cancer                                   | Others <sup>2</sup>                           | Suicide   | Others <sup>2</sup>              | Others <sup>2</sup>  |
|                            | 4 <sup>th</sup>  | Septicemia                             | Septicemia   | Cancer  | Heart Disease   | Unintentional Injuries           | Respiratory Disease <sup>3</sup>   |
|                            | 5 <sup>th</sup>  | Homicide, Influenza and Pneumonia      | Suicide  | Heart Disease                                 | Cancer  | Liver Disease <sup>4</sup>       | Stroke   |
|                            | 6 <sup>th</sup>  | Stroke                                 | Influenza and Pneumonia, Stroke,<br>Respiratory Disease <sup>3</sup> | Influenza and Pneumonia                       | Homicide  | Respiratory Disease <sup>3</sup> | Influenza and Pneumonia  |
|                            | 7 <sup>th</sup>  | Cancer, Kidney Disease <sup>5</sup>    | Kidney Disease <sup>5</sup>  | Diabetes, Septicemia                          | HIV   | Suicide                          | Kidney Disease <sup>5</sup>  |
|                            | 8 <sup>th</sup>  | Respiratory Disease <sup>3</sup> , HIV |  | HIV, Stroke, Respiratory Disease <sup>3</sup> | Liver Disease <sup>4</sup>  | Stroke                           | Septicemia   |
|                            | 9 <sup>th</sup>  |  |  | Liver Disease <sup>4</sup>                    | Stroke  | Diabetes                         | Alzheimer's Disease  |
|                            | 10 <sup>th</sup> |  |  |   | Diabetes  | Septicemia                       | Diabetes   |

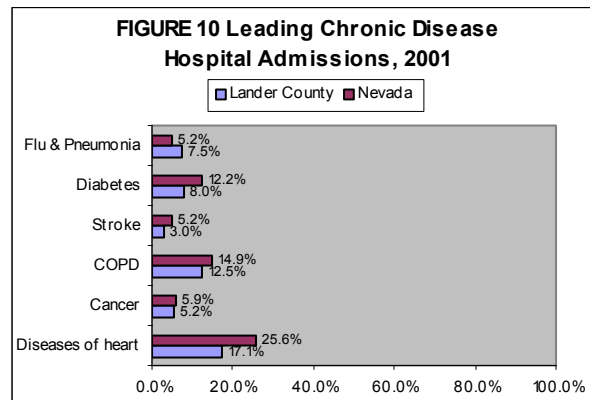
Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002

Note:

<sup>1</sup> NA\* indicates data that is unavailable due to cell size less than 5. See technical notes for data confidentiality.<sup>2</sup> Others\* represents causes of death other than the 15 leading causes of death including heart disease, cancer, stroke, chronic lower respiratory disease, accidents, influenza and pneumonia, diabetes mellitus, HIV diseases, suicide, chronic liver diseases and cirrhosis, nephritis, nephrotic syndrome and nephrosis, septicemia, Alzheimer's Disease, homicide & legal intervention, and atherosclerosis.<sup>3</sup> Respiratory Disease\* represents chronic lower respiratory diseases.<sup>4</sup> Liver Disease\* represents chronic liver disease and cirrhosis.<sup>5</sup> Kidney Disease\* represents nephritis, nephritic syndrome, and nephrosis.

- Accidents were the leading cause of death in the 15-24 and 25-44 age groups in Lander County for 1999-2000.

## CHRONIC DISEASES: CONDITIONS AND RISK FACTORS



- Lander County had a higher hospital admission rate for flu and pneumonia than the State of Nevada in 2001.
- In the Nevada BRFSS 2001 survey, 2,570 people (1,307 male, 1,263 female) were included. Out of the 2,570 people, 15 lived in Lander County (9 male, 6 female).
- In the Nevada BRFSS 2000 survey, 2,100 people (1,044 male, 1,056 female) were included. Out of the 2,100 people, 16 lived in Lander County (9 male, 7 female).
- **There were too few people interviewed by the BRFSS to assess the smoking rate, alcoholic beverage consumption, physical activity and fitness, high blood pressure, and the rate of cholesterol testing in Lander County.**



## INFECTIOUS DISEASES

**TABLE 9 Reported Infectious Disease Case Rates per 100,000 Population, 1999-2001**

| Infectious Diseases                               | Lander County   |                 |                 | Nevada |       |       | Healthy People<br>2010 Targets |   |
|---|-----------------|-----------------|-----------------|--------|-------|-------|--------------------------------|---|
|   | 1999            | 2000            | 2001            | 1999   | 2000  | 2001  |                                |   |
| Acquired Immunodeficiency Syndrome (AIDS)         | 0.0             | 0.0             | 0.0             | 12.1   | 13.3  | 10.5  | 1.0                            | ★ |
| Human Immunodeficiency Virus (HIV) - Not yet AIDS | 0.0             | 0.0             | 0.0             | 9.3    | 13.6  | 12.2  | Not Available                  |   |
| Chlamydia   | 214.0           | <sup>4</sup> NA | <sup>4</sup> NA | 145.1  | 189.0 | 227.2 | 170.0 <sup>1</sup>             |   |
| Gonorrhea   | 0.0             | 0.0             | 0.0             | 61.3   | 73.2  | 82.8  | 19.0                           | ★ |
| Syphilis (primary & secondary)                    | 0.0             | 0.0             | 0.0             | 0.2    | 0.2   | 0.4   | 0.2                            | ★ |
| Hepatitis A                                       | 0.0             | 0.0             | 0.0             | 6.8    | 4.2   | 3.3   | 4.5                            | ★ |
| Hepatitis B                                       | 0.0             | 0.0             | 0.0             | 2.8    | 2.6   | 2.4   | 2.4-5.1 <sup>2</sup>           | ★ |
| Hepatitis C                                       | 0.0             | 0.0             | 0.0             | 0.5    | 0.8   | 0.4   | 1.0                            | ★ |
| Mumps   | <sup>4</sup> NA | 0.0             | 0.0             | 0.2    | 0.3   | 0.2   | 0.0                            | ★ |
| Pertussis   | 0.0             | 0.0             | 156.2           | 0.7    | 0.7   | 1.9   | See note <sup>3</sup>          | ★ |
| Rubella   | 0.0             | 0.0             | 0.0             | 0.0    | 0.0   | 0.0   | 0.0                            | ★ |
| Meningitis (Bacteria)                             | 0.0             | 0.0             | 0.0             | 1.2    | 2.3   | 1.2   | 8.6                            | ★ |
| Meningococcal disease                             | 0.0             | 0.0             | 0.0             | 0.4    | 0.2   | 0.4   | 1.0                            | ★ |
| Tuberculosis                                      | 0.0             | 0.0             | 0.0             | 4.5    | 4.4   | 4.5   | 1.0                            | ★ |
| Campylobacteriosis                                | <sup>4</sup> NA | <sup>4</sup> NA | 0.0             | 6.5    | 10.2  | 9.2   | 12.3                           | ★ |
| <i>E. coli</i> 0157 Diarrhea                      | 0.0             | 0.0             | 0.0             | 1.2    | 0.7   | 0.8   | 1.0                            | ★ |
| Salmonellosis                                     | 0.0             | <sup>4</sup> NA | 0.0             | 9.4    | 12.4  | 9.5   | 6.8                            | ★ |

Data source: HIV/AIDS Reporting System (HARS), STD-MIS, and National Electronic Telecommunications Surveillance System (NETSS)

provided by Bureau of Community Health, Nevada State Health Division, 2002

Note: <sup>1</sup>Prevalence rate per 100,000 population for Chlamydia is HP 2000 target. No HP 2010 target for prevalence rate per 100,000 population for Chlamydia is available

<sup>2</sup>HP 2010 target is 2.4, 5.1, and 3.8 cases per 100,000 population for age groups 19-24, 25-39, and 40+, respectively.

<sup>3</sup>HP 2010 target is 2,000 cases nationwide for children under 7 years of age. No HP 2010 target rate is available

<sup>4</sup>NA indicates data that is unavailable due to cell size less than 5. See technical notes for data confidentiality.

★ Indicates "HP 2010 target was met" for 2001 for the county

▲ Indicates "HP 2010 target was not met" for 2001 for the county

- Data presented in the table only reflects reported cases. Some diseases such as Hepatitis may be very under-reported indicating a need for increased surveillance.
- In 2001 Lander County met HP 2010 targets for AIDS, Gonorrhea, Syphilis, Hepatitis A, Hepatitis B, Hepatitis C, Mumps, Pertussis, Rubella, Meningitis, Meningococcal Disease, Tuberculosis, Campylobacteriosis, *E. coli* 0157, and Salmonellosis.
- HP 2010 objectives were not reviewed for those infectious diseases for which in 2001 there were fewer than 5 cases. Chlamydia is the only infectious disease for which one to five cases were reported in 2001 in Lander County.

## INJURIES

TABLE 10 Injury Death Rate per 100,000 Population, 1999-2001

|                        | Year | Lander County   | Nevada | Healthy People<br>2010 Targets |   |
|------------------------|------|-----------------|--------|--------------------------------|---|
| Homicide               | 1999 | 0.0             | 8.2    | 3.0                            | ★ |
|                        | 2000 | 0.0             | 6.2    | 3.0                            | ★ |
|                        | 2001 | 0.0             | 8.8    | 3.0                            | ★ |
| Suicide                | 1999 | <sup>1</sup> NA | 20.6   | 5.0                            |   |
|                        | 2000 | <sup>1</sup> NA | 19.2   | 5.0                            |   |
|                        | 2001 | 0.0             | 18.2   | 5.0                            | ★ |
| Motor Vehicle Injuries | 1999 | <sup>1</sup> NA | 15.0   | 9.2                            |   |
|                        | 2000 | <sup>1</sup> NA | 13.2   | 9.2                            |   |
|                        | 2001 | 15.5            | 15.3   | 9.2                            | ▲ |

Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002

★ Indicates "HP 2010 target was met" for 2001 for the county

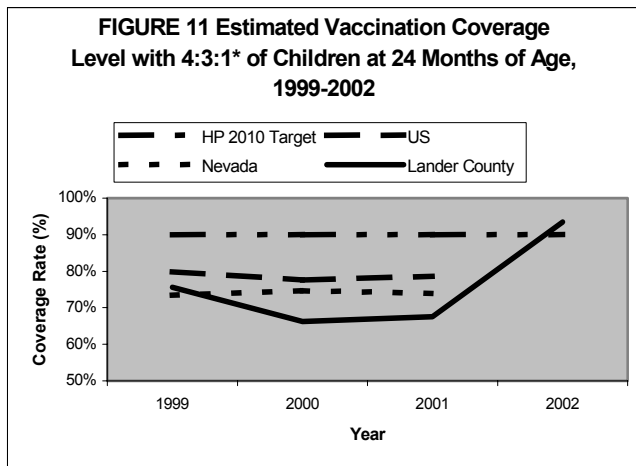
▲ Indicates "HP 2010 target was not met" for 2001 for the county

<sup>1</sup>NA indicates data that is unavailable due to cell size less than 5. See technical notes for data confidentiality.

- Death rates per 100,000 population for Lander County and Nevada and HP 2010 targets are age-adjusted rates (year 2000 standard population)
- In 2001, Lander County reached HP 2010 targets for homicide and suicide but the State of Nevada did not.
- In 2001, neither Lander County nor the State of Nevada met the 2010 target for motor vehicle injuries.

## PREVENTIVE SERVICES USE

### IMMUNIZATION COVERAGE LEVELS IN CHILDREN



Data source: Bureau of Community Health, Nevada State Health Division, 2002

\* Four or more doses of Diphtheria and Tetanus toxoids and Pertussis vaccine, 3 or more doses Poliovirus Vaccine, and one or more doses of Measles-Mumps-Rubella vaccine

- The data for Lander County is from the public health clinic only. It does not reflect the complete vaccination coverage level in Lander County.
- The data for Nevada and the US were obtained from the National Immunization Survey for Children 19-35 months of age. Data has not yet been released for 2002.
- The Healthy People 2010 target is for children 19-35 months of age.

### ADULT PREVENTIVE SERVICES USE

- In the Nevada BRFSS 2001 survey, 2,570 people (1,307 male, 1,263 female) were included. Out of the 2,570 people, 15 lived in Lander County (9 male, 6 female).
- In the Nevada BRFSS 2000 survey, 2,100 people (1,056 male, 1,044 female) were included. Out of the 2,100 people, 107 lived in Lander County (60 male, 47 female).
- There were too few people interviewed by the BRFSS to assess the mammogram screening, pap smears, pneumococcal and influenza vaccination in Lander County.

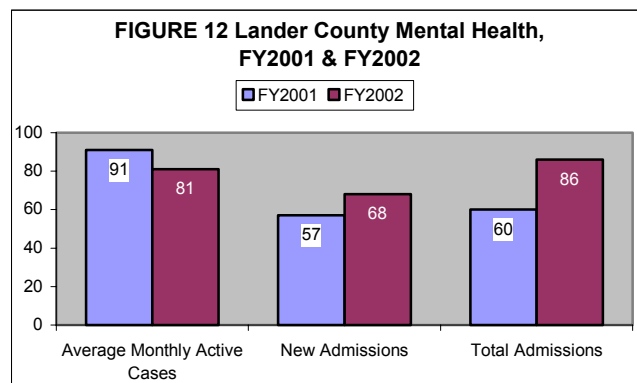
## MENTAL HEALTH

There are 18 clinics that comprise the Mental Health Rural Clinics service delivery system. Each clinic has a combination of psychiatrist(s), psychologists, clinical social workers, mental health counselors, psychiatric caseworkers, and support staff. Each clinic provides an array of mental health services on an outpatient basis such as individual, couple, and family therapy, group therapy, medication clinic, service coordination, psychological testing, psychosocial rehabilitation, housing services, emergency services, and consultation and education. Many clinics also have substance abuse counselors.

**TABLE 11 Mental Health Case Loads in Lander County, Fiscal Years 2001 & 2002**

|                              | Fiscal Year 2001 | Fiscal Year 2002 |
|------------------------------|------------------|------------------|
| Average Monthly Active Cases | 91               | 81               |
| New Admissions               | 57               | 68               |
| Total Admissions             | 60               | 86               |

*Data source: Division of Mental Health and Developmental Services, Rural Clinics Community Outpatient Services, 2002*



*Data source: Division of Mental Health and Developmental Services, Rural Clinics Community Outpatient Services, 2002*

## TECHNICAL NOTES

### 1. RACE AND ETHNICITY

In this report, "Native" refers to American Indian, non-Hispanic populations; "Asian" refers to Asian/Pacific Islander, non-Hispanic populations; "Black" refers to African American, non-Hispanic populations; "White" refers to White, non-Hispanic populations; "Hispanic" includes all races with a Hispanic ethnic origin. No duplicate counting exists.

### 2. POPULATION DATA

All Lander County and Nevada population data were based on the database established by the Nevada State Demographer's Office and provided by the Bureau of Health Planning and Statistics, Nevada State Health Division.

### 3. CRUDE RATE

Crude Death Rate = Number of Deaths / Population x 1,000 or 100,000

*(This rate calculation was applied to infant mortality rate, neonatal mortality rate, and post-neonatal mortality rate)*

Crude Incidence Rate = Number of New Cases of Specific Disease / Population x 100,000

*(This rate calculation was applied to the rate of infectious diseases per 100,000 population)*

### 4. AGE-ADJUSTED MORTALITY RATE

Age-Adjusted Mortality Rate = Total Expected Number of Deaths / Total Standard Population x 100,000

*(This rate calculation was applied to the mortality rate of leading causes of death and injuries in this report. Health People 2010 targets for mortality rates of leading causes of death and injuries are also age-adjusted rates. For all three-year's, 1999-2001 age-adjusted rate calculations, the age was adjusted to the year 2000 standard population.)*

### 5. DATA CONFIDENTIALITY

According to the data confidentiality policy of the Nevada State Health Division, sensitive cases (number of reported cases equal to or less than 5) are not allowed to be reported for general publication. Further information for internal use can be provided by the Bureau of Community Health upon request.

### 6. SAMPLE SIZE FOR BRFSS IN LANDER COUNTY

In the Nevada BRFSS survey, 16 and 15 Lander County residents participated in the survey in 2000 and 2001 respectively. The sample size may not be ideal to represent Lander County's population and caution should be used when interpreting BRFSS survey responses.

### 7. POVERTY

How the Census Bureau Measures Poverty

Following the Office of Management and Budget's (OMB) Statistical Policy Directive 14, the U.S. Census Bureau uses a set of money income thresholds that vary by family size and composition to determine who is poor. If a family's total income is less than that family's threshold, then that family, and every individual in it, is considered poor. The poverty thresholds do not vary geographically, but they are updated annually for inflation using the Consumer Price Index (CPI-U). The official poverty definition counts money income before taxes and does not include capital gains and noncash benefits (such as public housing, Medicaid, food stamps). Poverty is not defined for people in military barracks, institutional group quarters, or for unrelated individuals under age 15 (such as foster children). They are excluded from the poverty universe – that is, they are considered neither as "poor" nor as "nonpoor."

Source: Joseph Dalaker and Bernadette D. Proctor, U.S. Census Bureau, Current Population Reports, Series P60-210, Poverty in the United States: 1999, U.S. Government Printing Office, Washington, DC, 2000.

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